METHOD AND SYSTEM FOR ALLOCATING BANDWIDTH TO DATAFLOWS.

ABSTRACT

A method, a system and a computer program product are disclosed for allocating bandwidth of a limited bandwidth link to dataflows containing packets. In the method, the number of buckets is adaptively adjusted dependent upon the number of active dataflows. Each bucket has a number of tokens allocated to the bucket for use by the corresponding dataflow. The number of tokens is dependent upon a weighted value for the corresponding dataflow. Queueing of the packets for utilization of the limited bandwidth link is dependent upon the tokens. Tokens are then adaptively-reallocated to one or more buckets in accordance with a weighted value for each of the dataflows.